

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

### ISSUES TO WHITE ROCK QUARRIES

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements  
In the application, a permit is hereby granted to engage in surface mining of  
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 39 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: New

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Lincoln	05, 06	50N	02E	0	39	39	White Rock Quarries	2069

This permit may be suspended or revoked upon violation of any or all of the conditions set  
forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations  
as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 13th day of August 2004

  
DIRECTOR OF STAFF  
Land Reclamation Commission

Permit No. 0937  
Effective Date 08/13/2004  
Expiration Date 08/12/2005



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

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MAR 8 2004

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>Whiterock Quarries</b> (formerly Dameron Quarry #1127 which closed in 1987)		MISSOURI LAND RECLAMATION COMMISSION <b>3'4 2004</b>	
ADDRESS <b>40 Whiterock Lane</b>	CITY <b>Elsberry</b>	STATE <b>MO</b>	ZIP CODE <b>63343</b>
CONTACT PERSON <b>Gary Michael Hartley</b>		TELEPHONE NUMBER <b>(573) 898-2995</b>	

Check any that apply:

☒ New Permit      ☐ Permit Amendment      ☐ Permit Revision      ☐ Permit Expansion

SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (East or West)
1. <b>White Rock Quarries</b>	<b>ME 39</b>	<b>Lincoln Co, section 56, township 50N, range R2E</b>
2.		
3.		
4.		
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19.		
20.		

ATTACH ADDITIONAL SHEETS IF NECESSARY

SIGNATURE OF APPLICANT <b>Gary Michael Hartley</b>	TITLE <b>Owner</b>	DATE <b>3/5/04</b>
---	-----------------------	-----------------------

Appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_ to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>Lincoln</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>4th</b> DAY OF <b>Mar</b> 20 <b>04</b>	
	NOTARY PUBLIC SIGNATURE <b>Carol L. Crouse</b>	MY COMMISSION EXPIRES <b>9-3-05</b>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>CAROL L. CROUSE</b>	

USE RUBBER STAMP IN CLEAR AREA BELOW

**CAROL L. CROUSE**  
NOTARY PUBLIC STATE OF MISSOURI  
LINCOLN COUNTY  
MY COMMISSION EXP. SEPT 3, 2005

FOR DEPARTMENT USE ONLY: APPROVED BY <b>[Signature]</b>	DATE APPROVED <b>7-22-04</b>	PERMIT NUMBER <b>09711</b>	EXPIRATION DATE <b>7-27-05</b>
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ATTACH FEES AND BONDING WORKSHEET.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES  
FEES AND BONDING WORKSHEET

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>Whiterock Quarries</b>	DATE <b>5/4/2004</b>
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**FEES: COMPLETE SECTION I OR SECTION II**

**SECTION I. FEES: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:**

1. To compute the site fee complete the columns and lines below:

List SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six (6) months per permit year pay \$150.00
		For sites operated six (6) months or more per permit year pay \$300.00
<b>White Rock Quarries</b>	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec.	\$ <b>300.00</b>
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
<b>TOTAL SITE FEE</b>		→ \$ <b>300.00</b>

2. Acreage fee: \$5 X **12.39** number of acres bonded ----- \$ **195.00**

3. Annual permit fee: ----- \$ **500.00**

4. Total Fee: Add Totals from 1, 2, and 3 ----- \$ **995.00**

NOTE: If Total Fee exceeds \$2,500.00 then pay only----- \$ **2,500.00**

**SECTION II. FEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:**

1. Annual permit fee: ----- \$ **300.00**

**III. BONDING** – for all EXCEPT In-Stream mine sites:

A. For sand and gravel operators mining less than five thousand (5,000) tons/year:

Number of new acres \_\_\_\_\_ X \$500/acre ----- \$ \_\_\_\_\_

B. For ALL other open pit operations:

Minimum per permit ----- \$ **8,000.00**

Acreage over 8 acres **31** X \$500/acre ----- \$ **15,500.00**

TOTAL BONDING REQUIRED ----- \$ **23,500.00**

☒ Check here if adequate bonding is already posted.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>White Rock Quarries</i>		PERMIT NUMBER	
COMPANY NAME <i>White Rock Quarries</i>			
COUNTY <i>Lincoln</i>	1/4 SECTION <i>SE</i>	SECTION <i>6 + 5</i>	
TOWNSHIP <i>50 N</i>	RANGE <i>R2E</i>	ACRES <i>12.83</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>Not Applicable</i>			
MINERAL COMMODITY <i>limestone</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>Not Applicable</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Gary Michael Hartley</i>		
ADDRESS <i>P.O. Box 205, 101 White Rock Ln.,</i>		
CITY <i>Elsberry</i>	STATE <i>MO</i>	ZIP CODE <i>63343</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <i>June 14, 1995</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Gary Michael Hartley</i>		
ADDRESS <i>PO Box 205, 101 White Rock Ln.</i>		
CITY <i>Elsberry</i>	STATE <i>MO</i>	ZIP CODE <i>63343</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <i>June 14, 1995</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
MINE PLAN

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MISSOURI LAND RECLAMATION COMMISSION  
JEFFERSON CITY, MO 65102-0176  
P.O. BOX 176

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME Whiterock Quarries

☒ LONG TERM, FOR PERIOD THROUGH DATE: August 28, 2053

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This is a site that was previously operated as a Limestone Quarry formerly known as Dawson Dameron Quarry #167. This plan covers an area of 8.3 acres. Most of the mine area has a slope of nearly twelve percent (12%) and is wooded. Topsoil is very thin and rocky. The area is bordered to the west by Lost Creek. Because the hills are so steep we plan on mining about 2 acres per year. Thus we request a long term mine plan for fifty (50) years. The fifty year long term mine plan will allow us at least forty years of mining and adequate elbow room in case of slack years.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☒ YES OR ☐ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After trees are cleared with bulldozers, the top twelve inches (12") of soil will be removed by scraper. Because the topsoil is only 12 inches (12") deep, an additional 36" of subsoil will be removed to obtain a total of 12" of soil for replacement. Topsoil removal will be completed during the summer for the areas to be mined the following year. Topsoil removal will be kept at least 20 feet ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The scrapers will deposit the soil in stockpiles near the pit area. The stockpiles will be stored on a permitted and bonded area to protect pile from erosion.

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed from pit will be placed in the permitted and bonded mined-out portions of the pit and graded to traversable slopes before topsoil is replaced.

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MISSOURI LAND  
RECLAMATION COMMISSION**C. ACID**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The first cut will be South West corner of the permitted area. From there the pit will advance to the East + North. As the pit nears the West edge, a protective berm will be constructed of large boulders along the West property line.

**YES NO**

- |                          |                                     |   |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?<br>(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line?<br>(NOTE: If the answer is "YES", a safety barrier may be needed.)  |

PERMIT NO.

SITE NUMBER/NAME

White Rock C

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**

**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1 # 1	PURPOSE OR LAND USE Wildlife	B. SEEDING OR PLANTING TIME Spring (March 15-May 1)
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement, the seed mix will be broadcast and harrowed. After grass has grown sufficient enough to control erosion.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard grass	30		
Red clover	10		
Korean Lespedeza	10		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

PERMIT NO.	SITE NUMBER/NAME White Rock Quarries
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**B. GRADING****DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

All spoil areas will be graded to slopes traversable by farm machinery.

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MISSOURI LAND  
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will be done as the pit advances and as soil is placed in the mined-out portions. Final grading will be completed within one year of permit expiration on all mined out portions.

**REPLACEMENT OF TOPSOIL**

Topsoil will be replaced to a uniform depth of 12 inches, and disced to reduce compaction. Topsoil will be replaced within one year of permit expiration on all mined out portions.

**REVEGETATION**

Prior to seeding, a soil test analysis will be conducted in order to determine appropriate lime and fertilizer application requirements. All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

A (Horizon (3 inches) + B Horizon (9 inches) = 12 inches

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

11

Agriculture (pasture, cropland, and horticultural)

Development (residential, industrial and recreational)

19

Water impoundments (for wildlife, agriculture, or development)

53



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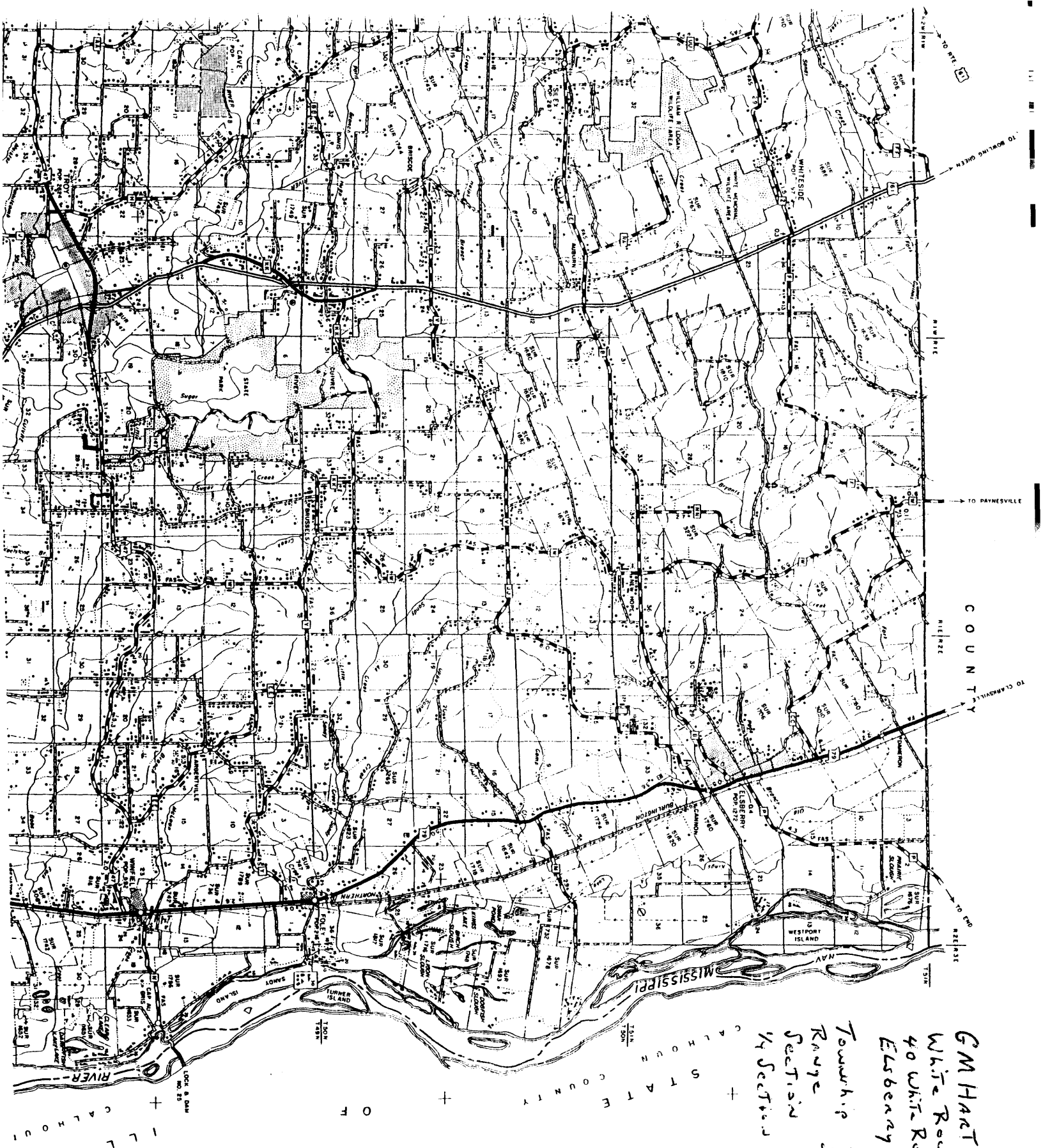
MAR 8 2004

By my signature, I attest to the following:

MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Gary Michael Hendry</i>		TITLE OWNER		DATE 3/5/04	
NOTARY PUBLIC EMBOSSER SEAL	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Lincoln</i>		
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>4th</i> DAY OF <i>Mar</i> 2004		USE RUBBER STAMP IN CLEAR AREA BELOW		
	NOTARY PUBLIC SIGNATURE <i>Carol L. Crouse</i>	MY COMMISSION EXPIRES <i>9-3-05</i>	<b>CAROL L. CROUSE</b> <b>NOTARY PUBLIC STATE OF MISSOURI</b> <b>LINCOLN COUNTY</b> <b>MY COMMISSION EXP. SEPT 3, 2005</b>		
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>CAROL L. CROUSE</i>				
FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>		DATE APPROVED <i>7-22-04</i>		PERMIT NUMBER <i>0937</i>	





Whiterock Quarries

Permit # 0937

Detail Map

Prepared by: *Gary Michael Hartley*

Date: 03/23/04